

## DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION\*

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

## TUMOR ABLATION NEEDLE WITH INDEPENDENTLY ACTIVATED AND INDEPENDENTLY TRAVERSING TINES

and for which a patent application:

is attached hereto and includes amendment(s) filed on *(if applicable)*  
 was filed in the United States on July 2, 2001 as Application No.09/897,483 *(for declaration not accompanying application)*  
 with amendment(s) filed on *(if applicable)*  
 was filed as PCT international Application No. on and was amended under PCT Article 19 on *(if applicable)*

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

PROVISIONAL APPLICATION NUMBER	FILING DATE
60/216,198	July 6, 2000

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

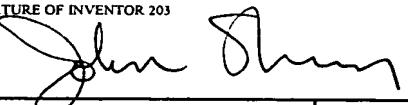
NON-PROVISIONAL APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

\* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	LAST NAME Schaefer	FIRST NAME Dean	MIDDLE NAME A.
	RESIDENCE & CITIZENSHIP	CITY Alton	STATE OR FOREIGN COUNTRY New Hampshire	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	STREET 196 Alton Mt. Rd.	CITY Alton	STATE OR COUNTRY New Hampshire
	SIGNATURE OF INVENTOR 201			DATE
2 0 2	FULL NAME OF INVENTOR	LAST NAME Paulk	FIRST NAME David	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY Hopedal	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	STREET 19 Bensway	CITY Hopedal	STATE OR COUNTRY MA
	SIGNATURE OF INVENTOR 202			DATE <i>David Paulk</i> October 2, 2001
2 0 3	FULL NAME OF INVENTOR	LAST NAME Sherry	FIRST NAME John	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY Watertown	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	STREET 480 Pleasant Street	CITY Watertown	STATE OR COUNTRY MA
	SIGNATURE OF INVENTOR 203			DATE
2 0 4	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY
	SIGNATURE OF INVENTOR 204			DATE
2 0 5	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY
	SIGNATURE OF INVENTOR 205			DATE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	LAST NAME Schaefer	FIRST NAME Dean	MIDDLE NAME A.	
	RESIDENCE & CITIZENSHIP	CITY Alton	STATE OR FOREIGN COUNTRY New Hampshire	COUNTRY OF CITIZENSHIP United States	
	POST OFFICE ADDRESS	STREET 196 Alton Mt. Rd.	CITY Alton	STATE OR COUNTRY New Hampshire	ZIP CODE 03810
	SIGNATURE OF INVENTOR 201			DATE	
2 0 2	FULL NAME OF INVENTOR	LAST NAME Paulk	FIRST NAME David	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Hopedal	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP United States	
	POST OFFICE ADDRESS	STREET 19 Bensway	CITY Hopedal	STATE OR COUNTRY MA	ZIP CODE 01747-2008
	SIGNATURE OF INVENTOR 202			DATE	
2 0 3	FULL NAME OF INVENTOR	LAST NAME Sherry	FIRST NAME John	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Watertown	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP United States	
	POST OFFICE ADDRESS	STREET 480 Pleasant Street	CITY Watertown	STATE OR COUNTRY MA	ZIP CODE 02472
	SIGNATURE OF INVENTOR 203 			DATE 10/17/01	
2 0 4	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 204			DATE	
2 0 5	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 205			DATE	

## SEND CORRESPONDENCE TO:

PENNIE & EDMONDS LLP  
 1155 Avenue of the Americas  
 New York, N.Y. 10036-2711  
 PTO Customer No. 20583

DIRECT TELEPHONE CALLS TO:  
 PENNIE & EDMONDS LLP DOCKETING  
 (212) 790-2803

2 0 1	FULL NAME OF INVENTOR	LAST NAME Schaefer	FIRST NAME Dean	MIDDLE NAME A.	
	RESIDENCE & CITIZENSHIP	CITY Aliso Viejo	STATE OR FOREIGN COUNTRY California	COUNTRY OF CITIZENSHIP United States	
	POST OFFICE ADDRESS	STREET 29 Aurora	CITY Aliso Viejo	STATE OR COUNTRY California	ZIP CODE 92656
	SIGNATURE OF INVENTOR 201 <i>Dean Schaefer</i>			DATE 1/23/02	
2 0 2	FULL NAME OF INVENTOR	LAST NAME Paulk	FIRST NAME David	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Hopedal	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP United States	
	POST OFFICE ADDRESS	STREET 19 Bensway	CITY Hopedal	STATE OR COUNTRY MA	ZIP CODE 01747-2008
	SIGNATURE OF INVENTOR 202			DATE	
2 0 3	FULL NAME OF INVENTOR	LAST NAME Sherry	FIRST NAME John	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Watertown	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP United States	
	POST OFFICE ADDRESS	STREET 480 Pleasant Street	CITY Watertown	STATE OR COUNTRY MA	ZIP CODE 02472
	SIGNATURE OF INVENTOR 203			DATE	
2 0 4	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 204			DATE	
2 0 5	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 205			DATE	



MARCH 27, 2003

PTAS

DAVID T. BURSE  
BINGHAM MCCUTCHEN LLP  
THREE EMBARCADERO, STE 800  
SAN FRANCISCO, CA 94111-4067

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

703145-3001

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\*700026719A\*

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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-1, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/26/2003

REEL/FRAME: 013515/0380  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

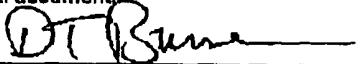
ASSIGNOR:  
BOSTON SCIENTIFIC CORPORATION

DOC DATE: 03/20/2003

ASSIGNEE:  
SCIMED LIFE SYSTEMS, INC.  
ONE SCIMED PLACE  
ONE SCIMED PLACE  
MAPLE GROVE, MINNESOTA 55311-1566SERIAL NUMBER: 09897483  
PATENT NUMBER:FILING DATE: 07/02/2001  
ISSUE DATE:VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

DOCKETED

03/26/2003  
700026719

FORM PTO-1585 1-91-92 Docket No. 24728-7031452001	<b>RECORDATION FORM COVER SHEET PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Boston Scientific Corporation Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party: Name: <u>Scimed Life Systems, Inc.</u> Internal Address: <u>One Scimed Place</u> City: <u>Maple Grove</u> State: <u>MN</u> Zip: <u>55311-1566</u> Street Address: <u>One Scimed Place</u> City: <u>Maple Grove</u> State: <u>MN</u> Zip: <u>55311-1566</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	Execution Date: <u>March 20, 2003</u>	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____	A. Patent Application No(s).: <u>09/897,483</u>	B. Patent No(s).: _____
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>David T. Burse</u> Internal Address: BINGHAM McCUTCHEON LLP Three Embarcadero, Ste 800 San Francisco, CA 94111-4067	6. Total number of applications and patents involved: _____	
	7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge this Deposit Account if any additional fee is required	
	8. Deposit Account Number: <u>50-2518</u>	
DO NOT USE THIS SPACE		
9. Statement and signature:  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Date: <u>3/26/03</u> David T. Burse, Reg No. 37,104		
Total number of pages including cover sheet: <u>3</u>		
OMB No. 0651-0011 (exp. 4/94)		
<p style="text-align: center;"><b>Do not detach this portion</b> Mail documents to be recorded with required cover sheet information to: <b>Commissioner of Patents and Trademarks</b> <b>Box Assignments</b> <b>Washington, D.C. 20231</b></p>		
<p>Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503</p>		

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Voice Phone: 703-308-9723

To: Name: DAVID T. BURSE  
Company: BINGHAM MCCUTCHEN LLP  
Fax Number: 16508494800  
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## Fax Notes:

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RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Boston Scientific Corporation Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party: Name: <u>Scimed Life Systems, Inc.</u> Internal Address: <u>One Scimed Place</u> City: <u>Maple Grove</u> State: <u>MN</u> Zip: <u>55311-1566</u> Street Address: <u>One Scimed Place</u> City: <u>Maple Grove</u> State: <u>MN</u> Zip: <u>55311-1566</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		
Execution Date: <u>March 20, 2003</u>		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____		
A. Patent Application No(s).: <u>09/897,483</u>		B. Patent No(s).: _____
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>David T. Burse</u> Internal Address: BINGHAM McCUTCHEN LLP Three Embarcadero, Ste 800 San Francisco, CA 94111-4067		6. Total number of applications and patents involved: _____
		7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge this Deposit Account if any additional fee is required
8. Deposit Account Number: <u>50-2518</u>		

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## 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: 3/26/03

David T. Burse, Reg No. 37,104

Total number of pages including cover sheet: 3

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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I, Scott Bluni, a citizen of United States, on behalf of **Boston Scientific Corporation**, a Delaware Corporation having its principal place of business at One Boston Scientific Place, Natick, Massachusetts 01760-1537 (hereinafter referred to as "ASSIGNOR"), own a certain invention entitled **TUMOR ABLATION NEEDLE WITH INDEPENDENTLY ACTIVATED AND INDEPENDENTLY TRAVERSING TINES** by virtue of a chain of title from the inventors in recorded assignment under Reel 012491 Frame 0084; and for which application for Letters Patent of the United States of America has been filed on July 2, 2001, with serial No. 09/897,483; and

WHEREAS, **Scimed Life Systems, Inc.**, a corporation organized and existing under and by virtue of the laws of the state of Minnesota and having its principal place of business at One Scimed Place, Maple Grove, MN 55311-1566 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and

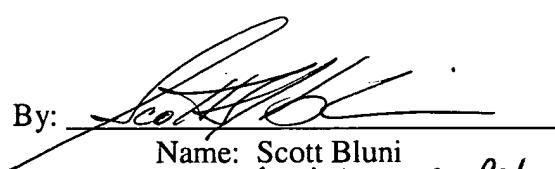
ASSIGNOR hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof, to issue said patents to ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNOR hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNOR further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

**Boston Scientific Corporation**

Dated: 20 MARCH 2003

By:   
Name: Scott Bluni  
Title: ~~Assistant~~ Sr. Patent Counsel



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

MARCH 19, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

PENNIE & EDMONDS LLP  
GIDON D. STERN  
1155 AVENUE OF THE AMERICAS  
NEW YORK, N.Y. 10036-2711



\*101961250A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/07/2002

REEL/FRAME: 012491/0084  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS)

ASSIGNOR:  
SCHAEEFER - DEAN

DOC. DATE: 11/14/2001

ASSIGNEE:  
BOSTON SCIENTIFIC CORPORATION  
ONE BOSTON SCIENTIFIC PLACE  
NATICK, MASSACHUSETTS 01760-1537

SERIAL NUMBER: 09897483  
PATENT NUMBER:

FILING DATE: 07/02/2001  
ISSUE DATE:

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

REFERRED TO BRENNY  
REC'D

MAR 26 2002

Pennie & Edmonds  
O.K. for filing

JAN 10 2002



101961250

Attorney Docket Number  
10177-020-999

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
Box Assignment  
Washington, DC 20231

Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Dean Schaefer

1-7-02

Additional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of conveyance:

 Assignment Merger Security Agreement Change of Name Other \_\_\_\_\_Execution Date: November 14, 2001

## 2. Name and address of receiving party(ies):

Name: Boston Scientific CorporationAddress: One Boston Scientific PlaceNatick, MA 01760-1537

Country (if other than USA): \_\_\_\_\_

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/897,483

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP  
1155 Avenue of Americas  
New York, N.Y. 10036-2711

6. Number of applications and patents involved: One7. Total fee (37 CFR 3.41): ..... \$ 40.00  
Please charge to the deposit account listed in Section 8.8. Deposit account number:  
16-1150

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Gidon D. Stern

Name of Person Signing

27469

Reg. No.

Signature

January 7, 2002

Date

Total number of pages including cover sheet:

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Washington, D.C. 20231

01/24/2002 AAHMED1 00000110 161150 09897483

01 FC:581 40.00 CH

WHEREAS, WE, Dean A. Schaefer, David Paulk, and John Sherry, ASSIGNORS, citizens of the United States, residing at 196 Alton Mt. Rd., Alton, New Hampshire; 19 Bensway Hopedal, MA; and 480 Pleasant St., Wartertown, MA, are the inventors of the invention in TUMOR ABLATION NEEDLE WITH INDEPENDENTLY ACTIVATED AND INDEPENDENTLY TRAVERSING TINES for which we have executed an application for a Patent of the United States

which is executed on  even date herewith or  \_\_\_\_\_  
 which is identified by Pennie & Edmonds LLP docket no. 10177-020-999  
 which was filed on July 2, 2001, Application No. 09/897,483

and WHEREAS, Boston Scientific Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

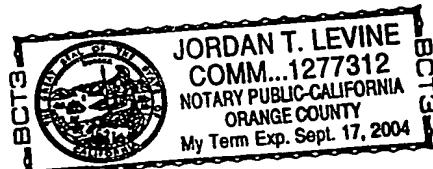
Date 11/14/01, 2001 Dean Schaefer L.S.  
Date \_\_\_\_\_, 2001 \_\_\_\_\_ L.S.  
Date \_\_\_\_\_, 2001 \_\_\_\_\_ L.S.

State of California, SS.:  
County of Orange.

On November 14, 2001, before me, Jordan T. Levine, Notary Public, personally appeared Dean Schaefer, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Jordan T. Levine



State of }  
County of } SS.:

On \_\_\_\_\_, 2001, before me, \_\_\_\_\_, Notary Public,  
personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be  
the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon  
behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

---

State of }  
County of } SS.:

On \_\_\_\_\_, 2001, before me, \_\_\_\_\_, Notary Public,  
personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be  
the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
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behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

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JAN 07 2002

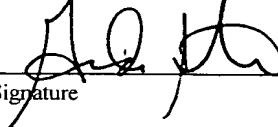
## RECORDATION FORM COVER SHEET

## PATENTS ONLY

Attorney Docket Number  
10177-020-999

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
Box Assignment  
Washington, DC 20231

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  Dean Schaefer <u>1-7-02</u>		2. Name and address of receiving party(ies):  Name: <u>Boston Scientific Corporation</u>  Address: <u>One Boston Scientific Place</u>  <u>Natick, MA 01760-1537</u>  Country (if other than USA): _____	
3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____			
Execution Date: <u>November 14, 2001</u>			
4. Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution date of the application is: _____			
A. Patent Application No.(s) <u>09/897,483</u>		B. Patent No.(s) _____	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed:  PENNIE & EDMONDS LLP 1155 Avenue of Americas New York, N.Y. 10036-2711		6. Number of applications and patents involved: <u>One</u>  7. Total fee (37 CFR 3.41): .....\$ <u>40.00</u> Please charge to the deposit account listed in Section 8.  8. Deposit account number: <u>16-1150</u>	
DO NOT USE THIS SPACE			
9. Statement and signature.  <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>			
Gidon D. Stern Name of Person Signing		27469 Reg. No.	 <span style="float: right;">January 7, 2002</span> <span style="float: right;">Date</span>
Total number of pages including cover sheet:			3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignment  
Washington, D.C. 20231

WHEREAS, WE, Dean A. Schaefer, David Paulk, and John Sherry, ASSIGNORS, citizens of the United States, residing at 196 Alton Mt. Rd., Alton, New Hampshire; 19 Bensway Hopedal, MA; and 480 Pleasant St., Warertown, MA, are the inventors of the invention in TUMOR ABLATION NEEDLE WITH INDEPENDENTLY ACTIVATED AND INDEPENDENTLY TRAVERSING TINES for which we have executed an application for a Patent of the United States

which is executed on  even date herewith or  \_\_\_\_\_  
 which is identified by Pennie & Edmonds LLP docket no. 10177-020-999  
 which was filed on July 2, 2001, Application No. 09/897,483

and WHEREAS, Boston Scientific Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

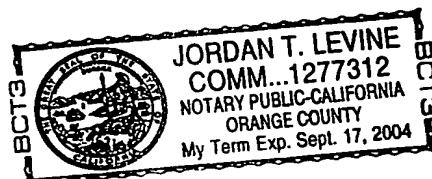
Date 11/14/01, 2001 Dean Schaefer L.S.  
Date \_\_\_\_\_, 2001 \_\_\_\_\_ L.S.  
Date \_\_\_\_\_, 2001 \_\_\_\_\_ L.S.

State of California, SS.:  
County of Orange, SS.:

On November 14, 2001, before me, Jordan T. Levine, Notary Public, personally appeared Dean Schaefer, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Jordan T. Levine



State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } SS.:

On \_\_\_\_\_, 2001, before me, \_\_\_\_\_, Notary Public,  
personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be  
the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon  
behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

State of }  
County of } SS.:

On \_\_\_\_\_, 2001, before me, \_\_\_\_\_, Notary Public,  
personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be  
the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon  
behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal



MARCH 02, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

PENNIE & EDMONDS LLP  
GIDON D. STERN  
1155 AVENUE OF AMERICAS  
NEW YORK, N.Y. 10036-2711



\*101941079A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

2073

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/18/2001

REEL/FRAME: 012436/0143  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SHERRY, JOHN

DOC DATE: 10/17/2001

ASSIGNOR:  
PAULK, DAVID

DOC DATE: 10/02/2001

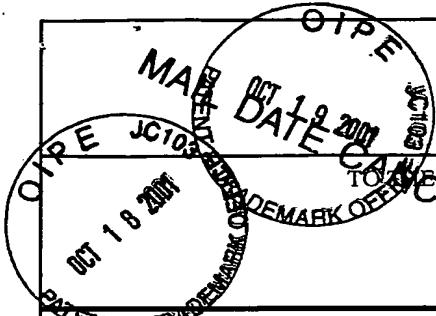
ASSIGNEE:  
BOSTON SCIENTIFIC CORPORATION  
ONE BOSTON SCIENTIFIC PLACE  
NATICK, MASSACHUSETTS 01760-1537

SERIAL NUMBER: 09897483 ✓  
PATENT NUMBER:

FILING DATE: 07/02/2001  
ISSUE DATE:

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

*Brian Remey*  
MAR 19 2002



01-11-2002

PRESS MAIL NO. 501 141 890 US

Attorney Docket Number  
10177-020-999

101941079

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
Box Assignment  
Washington, DC 20231

101801

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John Sherry and David Pault

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: October 17, 2001 and October 2, 2001

2. Name and address of receiving party(ies):

Name: Boston Scientific Corporation

Address: One Boston Scientific Place

Natick, MA 01760-1537

Country (if other than USA): \_\_\_\_\_

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/897,483

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP  
1155 Avenue of Americas  
New York, N.Y. 10036-2711

6. Number of applications and patents involved: One

7. Total fee (37 CFR 3.41): .....\$ 40  
Please charge to the deposit account listed in Section 8.

8. Deposit account number:  
16-1150

01/10/2002 AAHMED1 00000163 161150 09897483

01 FC:581 40.00 CH

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Gidon D. Stern

Name of Person Signing

27,469

Reg. No.

*Gidon D. Stern*  
Signature *by Gidon D. Stern*

October 18, 2001

Date

Total number of pages including cover sheet:

4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignment  
Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, WE, David Paulk, and John Sherry, ASSIGNORS, citizens of the United States, residing at 19 Bensway Hopedal, MA, 01747; and 480 Pleasant St., Wartertown, MA, 02472 are the inventors of the invention in TUMOR ABLATION NEEDLE WITH INDEPENDENTLY ACTIVATED AND INDEPENDENTLY TRAVERSING TINES for which we have executed an application for a Patent of the United States

which is executed on  even date herewith or  \_\_\_\_\_

which is identified by Pennie & Edmonds LLP docket no. 10177-020-999  
 which was filed on July 2, 2001, Application No. 09/897,483

and WHEREAS, Boston Scientific Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

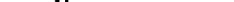
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof:

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 01701, 2001  L.S.

Date \_\_\_\_\_, 2001

State of }  
County of MIDDLESEX } SS.:

On OCTOBER 17<sup>th</sup>, 2001, before me, Cheri LACEY, Notary Public, personally appeared John SHERRY, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Cheri Hacey

WITNESS my hand and official seal

## ASSIGNMENT

WHEREAS, WE, Dean A. Schaefer, David Paulk, and John Sherry, ASSIGNORS, citizens of the United States, residing at 196 Alton Mt. Rd., Alton, New Hampshire; 19 Bensway Hopedal, MA; and 480 Pleasant St., Wartertown, MA, are the inventors of the invention in TUMOR ABLATION NEEDLE WITH INDEPENDENTLY ACTIVATED AND INDEPENDENTLY TRAVERSING TINES for which we have executed an application for a Patent of the United States

which is executed on     even date herewith or     \_\_\_\_\_

which is identified by Pennie & Edmonds LLP docket no. 10177-020-999  
 which was filed on July 2, 2001, Application No. 09/897,483

and WHEREAS, Boston Scientific Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

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IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_, 2001 \_\_\_\_\_ L.S.  
 Date October 2, 2001 David Paulk \_\_\_\_\_ L.S.  
 Date \_\_\_\_\_, 2001 \_\_\_\_\_ L.S.

State of \_\_\_\_\_ }  
 County of \_\_\_\_\_ } SS.:

On October 2, 2001, before me, Lorraine A. Bid, Notary Public, personally appeared David Paulk, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

My Commission Expires: 10.04.02

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } SS.:

On \_\_\_\_\_, 2001, before me, \_\_\_\_\_, Notary Public,  
personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be  
the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
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behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

State of }  
County of } SS.:

On \_\_\_\_\_, 2001, before me, \_\_\_\_\_, Notary Public,  
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WITNESS my hand and official seal